

NEW ABSTRACT:

Please find the following new abstract:

Abstract of the Disclosure

5 A method and a system for monitoring the functional capability of a particle detector connected downstream, in the flow direction, of a particle filter, in which particles occurring upon the regeneration of the particle filter, in particular ions, are detected by the particle detector and the resultant measurement finding are compared with an expected finding. The measurement and evaluation are effected in a control and evaluation unit. The invention enables monitoring of the functional capability of a particle detector that does not interrupt normal operation and thus increases the reliability of the entire system.